

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Satoshi Seo et al.                      Art Unit : Unknown  
Serial No. : New Divisional Application              Examiner : Unknown  
Filed : July 22, 2003  
Title : LUMINESCENT DEVICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

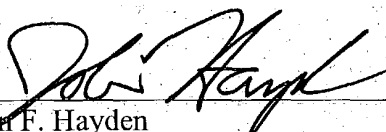
**INFORMATION DISCLOSURE STATEMENT**

Under 35 USC §120, this application relies on the earlier filing date of application serial number 10/026,064, filed on December 21, 2001. The attached list of references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: July 22, 2003

  
\_\_\_\_\_  
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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12732-087002	Application No. New Divisional Application
	Applicant Satoshi Seo et al.		
	Filing Date July 22, 2003	Group Art Unit Unknown	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,719,467	02/17/1998	Antoniadis et al.			
	AB	5,925,980	07/20/1999	So et al.			
	AC	5,853,905	12/29/1998	So et al.			
	AD	6,130,001	10/10/2000	Shi et al.			
	AE	5,271,089	12/14/1993	Ozawa			
	AF	6,285,039	09/04/2001	Kobori et al.			
	AG	US 2002-0093283 A1	07/18/2002	Seo et al.			01/10/2002
	AH	US 2002-0155632 A1	10/24/2002	Yamazaki et al.			02/20/2002
	AI	US 2003-0010288 A1	01/16/2003	Yamazaki et al.			02/05/2002
	AJ	US 2002-0101154 A1	08/01/2002	Kanagawa et al.			01/29/2002
	AK	US 2002-0139303 A1	10/03/2002	Yamazaki et al.			01/31/2002
	AL	US 2002-0109136 A1	08/15/2002	Seo et al.			01/10/2002
	AM	US 2002-0113546 A1	08/22/2002	Seo et al.			02/20/2002
	AN	US 2002-0105005 A1	08/08/2002	Seo et al.			02/05/2002
	AO	US 2001-0051207 A1	12/13/2001	Yamagata et al.			05/10/2001
	AP	US 2002-0121860 A1	09/05/2002	Seo et al.			12/21/2001

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AQ	TW 243470	03/21/1995	Taiwan				
	AR	EP 1 065 737 A2	01/03/2001	Europe				
	AS	10-233288	09/02/1998	Japan				
	AT	2001-52870	02/23/2001	Japan				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AU	C.W. Tang et al.; "Organic Electroluminescent Diodes"; <i>Applied Physics Letters</i> , Vol. 51, No. 12; pp. 913-915; September 21, 1987

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 12732-087002		Application No. New Divisional Application	
<b>Information Disclosure Stat ment by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))				Applicant Satoshi Seo et al.			
				Filing Date July 22, 2003		Group Art Unit Unknown	
<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>							
Examiner Initial	Desig. ID	Document					
	AV	Yasunori Kijima et al.; "A Blue Organic Light Emitting Diode"; <i>Japan Journal of Applied Physics</i> , Vol. 38; pp. 5274-5277; September 1999					
	AW	C.W. Tang et al.; "Electroluminescence of Doped Organic Thin Films"; <i>Journal of Applied Physics</i> , Vol. 65, No. 9; pp. 3610-3616; May 1, 1989					
	AX	Chihaya Adachi et al.; "Electroluminescence in Organic Films with Three-Layer Structure"; <i>Japanese Journal of Applied Physics</i> , Vol. 27, No. 2; pp. L269-L271; February 1988					
	AY	Tetsuo Tsutsui et al.; "New Aspect of Research and Development of Organic EL"; <i>M&amp;BE Seminar (M&amp;BE, Vol. 11, No. 1)</i> ; pp. 3-12 with translation; 2000					
	AZ	Takeo Wakimoto et al.; "Organic EL Cells Using Alkaline Metal Compounds as Electron Injection Materials"; <i>IEEE Transactions on Electron Devices</i> , Vol. 44, No. 8, pp. 1245-1248; August 1998					
	AAA	S.A. Van Slyke et al.; "Organic Electroluminescent Devices with Improved Stability"; <i>Applied Physics Letter</i> , Vol. 69, No. 15; pp. 2160-2162; October 7, 1996					
	ABB	D.F. O'Brien et al.; "Improved Energy Transfer in Electrophosphorescent Devices"; <i>Applied Physics Letter</i> , Vol. 74, No. 3; pp. 442-444; January 18, 1999					
	ACC	Tetsuo Tsutsui et al.; "High Quantum Efficiency in Organic Light-Emitting Devices with Iridium-Complex as a Triplet Emissive Center"; <i>Japan Journal of Applied Physics</i> , Vol. 38, Part 2, No. 12B; pp. L1502-L1504; December 15, 1999					
	ADD	Tetsuo Tsutsui; "The Operation Mechanism and the Light Emission Efficiency of the Organic EL Element"; <i>Test of the Third Lecture Meeting; Bulletin of Organic Molecular/Bioelectronics Subcommittee, Society of Applied Physics</i> ; pp. 31-37 w/translation; 1993					
	AEE	Junji Kido et al.; "Multilayer White Light-Emitting Organic Electroluminescent Device"; <i>Science</i> , Vol. 267; pp. 1332-1334; March 3, 1995					

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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12732/087001

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FEBRUARY 21, 2002

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RECORDATION DATE: 12/21/2001

REEL/FRAME: 012406/0214  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SEO, SATOSHI

DOC DATE: 12/07/2001

ASSIGNOR:  
YAMAZAKI, SHUNPEI

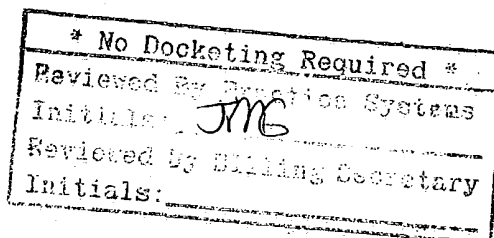
DOC DATE: 12/13/2001

ASSIGNEE:  
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CO., LTD.  
398 HASE ATSUGI-SHI  
KANAGAWA-KEN 243-0036, JAPAN

SERIAL NUMBER: 10026064  
PATENT NUMBER:

FILING DATE: 12/21/2001  
ISSUE DATE:

SHAREILL COLES, EXAMINER  
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01-03-2002

Substitute Form PTO-1595  
Attorney Docket No.: 12732-087001  
Client's Ref. No.: US5381/5474/5502

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10/026064

12/21/01

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Satoshi Seo and Shunpei Yamazaki Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Semiconductor Energy Laboratory Co., Ltd. 398 Hase Atsugi-shi Kanagawa-ken 243-0036 JAPAN Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Dates December 7, 2001 and December 13, 2001	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution dates of the application is: December 7, 2001 and December 13, 2001 A. Patent Application No(s): B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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Total number of pages including coversheet, attachments and document: 2	

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01/02/2002 LMUELLER 00000213 10026064

01 FC:581

40.00 DP

## ASSIGNMENT

For valuable consideration, We, Satoshi SEO of Atsugi, Kanagawa, Japan and Shunpei YAMAZAKI of Setagaya, Tokyo, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled LUMINESCENT DEVICE filed on \_\_\_\_\_, and assigned U.S. Serial Number \_\_\_\_\_, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature: \_\_\_\_\_

*Satoshi Seo*

Name: \_\_\_\_\_

Satoshi SEO

Date: \_\_\_\_\_

12/07/2001

Signature: \_\_\_\_\_

*Shunpei Yamazaki*

Name: \_\_\_\_\_

Shunpei YAMAZAKI

Date: \_\_\_\_\_

12/13/2001